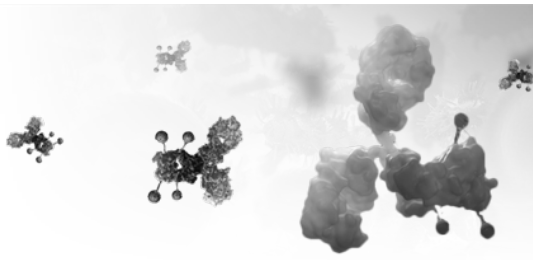

Mouse anti-Human Mitosin monoclonal antibody, clone 22/Njuptjo (CABT-B9239)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Mitosin aa. 209-381
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	22/Njuptjo
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF; IP; IHC
Format	Liquid
Concentration	250 μg/ml
Size	50 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Mitosin, a nuclear proetin of 3113 amino acids, contains a pair of tandem repeats and seven

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	leucine repeats. In vitro, Mitosin directly interacts with the retinoblastoma protein, Rb. Mitosin is expressed throughout the cell cycle, with levels being lowest during G1, and it localizes at the kinetochore during the mitotic phase. The subcellular redistribution of Mitosin to the kinetochore is linked to its phosphorylation. Its expression is linked to patients with autoimmune diseases characterized by abnormal cell proliferation. Ectopic expression of a truncated version of Mitosin blocks the progression of the cell cycle. This suggests that the protein has an important role during cell proliferation. Because of similarities in subcellular localization and expression, Mitosin and the autoantigen p300/CENP-F, which is also linked to a multitude of autoimmune disorders, are probably the same protein.
Keywords	CENPF; centromere protein F, 350/400kDa; CENF; hcp-1; PRO1779; centromere protein F; mitosin; AH antigen; kinetochore protein CENPF; CENP-F kinetochore protein; cell-cycle-dependent 350K nuclear protein; centromere protein F, 350/400ka (mitosin); centromere protein F, 350/400kDa (mitosin);

GENE INFORMATION

Entrez Gene ID	1063
UniProt ID	P49454

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